OIPE

, • /

#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/989,526

DATE: 11/28/2001 TIME: 11:17:59

Input Set : A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

ENTERED

3 <110> APPLICANT: Yasushi Shigemori Michio Oishi Osamu Ohara 7 <120> TITLE OF INVENTION: METHOD FOR DETECTING DNA POLYMORPHISM APPLYING TRIPLE STRAND DNA FORMATION TECHNIQUE 10 <130> FILE REFERENCE: AIC-101 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/989,526 C--> 13 <141> CURRENT FILING DATE: 2001-11-21 15 <150> PRIOR APPLICATION NUMBER: JP 2000-386361 16 <151> PRIOR FILING DATE: 2000-12-20 18 <160> NUMBER OF SEQ ID NOS: 37 20 <170> SOFTWARE: PatentIn Ver. 2.0 22 <210> SEQ ID NO: 1 23 <211> LENGTH: 60 24 <212> TYPE: DNA 25 <213> ORGANISM: Artificial Sequence 27 <220> FEATURE: 28 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 29 31 <400> SEQUENCE: 1 32 agaggetttg aggactaaag actttteat gaggaagttt ccattaaacg ggtaaaatac 60 34 <210> SEQ ID NO: 2 35 <211> LENGTH: 60 36 <212> TYPE: DNA 37 <213> ORGANISM: Artificial Sequence 39 <220> FEATURE: 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 41 43 <400> SEQUENCE: 2 44 gtattttacc cgtttaatgg aaacttcctc atgaaaaagt ctttagtcct caaagcctct 60 46 <210> SEQ ID NO: 3 47 <211> LENGTH: 60 48 <212> TYPE: DNA 49 <213> ORGANISM: Artificial Sequence 51 <220> FEATURE: 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 55 <400> SEOUENCE: 3 56 acgccgggca agagcaactc ggtcgccgca tacactattc tcagaatgac ttggttgagt 60 58 <210> SEQ ID NO: 4 59 <211> LENGTH: 60 60 <212> TYPE: DNA 61 <213> ORGANISM: Artificial Sequence 63 <220> FEATURE: 64 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 67 <400> SEQUENCE: 4



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/989,526

DATE: 11/28/2001
TIME: 11:17:59

Input Set: A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

68 tgttttagtg tattettteg cetetttegt tttaggttgg tgeettegta gtggeattae 60 70 <210> SEQ ID NO: 5 71 <211> LENGTH: 60 72 <212> TYPE: DNA 73 <213> ORGANISM: Artificial Sequence 75 <220> FEATURE: 76 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially 77 Synthesized Oligonucleotide Sequence 79 <400> SEQUENCE: 5 80 gtaatgccac tacgaaggca ccaacctaaa acgaaagagg cgaaagaata cactaaaaca 60 82 <210> SEQ ID NO: 6 83 <211> LENGTH: 60 84 <212> TYPE: DNA 85 <213> ORGANISM: Artificial Sequence 87 <220> FEATURE: 88 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 91 <400> SEQUENCE: 6 92 tecgatgetg tetttegetg etgagggtga egateeegea aaageggeet ttaacteeet 60 94 <210> SEQ ID NO: 7 95 <211> LENGTH: 60 96 <212> TYPE: DNA 97 <213> ORGANISM: Artificial Sequence 99 <220> FEATURE: 100 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 101 103 <400> SEQUENCE: 7 104 ctaccetegt teegatgetg tetttegetg etgagggtga egateeegea aaageggeet 60 106 <210> SEQ ID NO: 8 107 <211> LENGTH: 60 108 <212> TYPE: DNA 109 <213> ORGANISM: Artificial Sequence 111 <220> FEATURE: 112 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 115 <400> SEQUENCE: 8 116 gtagccgttg ctaccctcgt tccgatgctg tctttcgctg ctgagggtga cgatcccgca 60 118 <210> SEQ ID NO: 9 119 <211> LENGTH: 60 120 <212> TYPE: DNA 121 <213> ORGANISM: Artificial Sequence 123 <220> FEATURE: 124 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially 125 Synthesized Oligonucleotide Sequence 127 <400> SEQUENCE: 9 128 caaaqcctct qtaqccqttq ctaccctcqt tccqatqctq tctttcqctq ctqaqqqtga 60 130 <210> SEQ ID NO: 10 131 <211> LENGTH: 60 132 <212> TYPE: DNA



RAW SEQUENCE LISTING DATE: 11/28/2001 PATENT APPLICATION: US/09/989,526 TIME: 11:17:59

Input Set : A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

133 <213> ORGANISM: Artificial Sequence 135 <220> FEATURE: 136 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 137 139 <400> SEQUENCE: 10 140 ctttagtcct caaagcctct gtagccgttg ctaccctcgt tccgatgctg tctttcgctg 60 142 <210> SEQ ID NO: 11 143 <211> LENGTH: 80 144 <212> TYPE: DNA 145 <213> ORGANISM: Artificial Sequence 147 <220> FEATURE: 148 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 149 151 <400> SEQUENCE: 11 152 ctaccctcgt tecgatgetg tetttegetg etgagggtga egatecegea aaageggeet 60 80 153 ttaactccct gcaagcctca 155 <210> SEQ ID NO: 12 156 <211> LENGTH: 50 157 <212> TYPE: DNA 158 <213> ORGANISM: Artificial Sequence 160 <220> FEATURE: 161 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 162 164 <400> SEQUENCE: 12 50 165 ctgagggtga cgatcccgca aaagcggcct ttaactccct gcaagcctca 167 <210> SEQ ID NO: 13 168 <211> LENGTH: 40 169 <212> TYPE: DNA 170 <213> ORGANISM: Artificial Sequence 172 <220> FEATURE: 173 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 174 176 <400> SEQUENCE: 13 177 cgatcccgca aaagcggcct ttaactccct gcaagcctca 40 179 <210> SEQ ID NO: 14 180 <211> LENGTH: 30 181 <212> TYPE: DNA 182 <213> ORGANISM: Artificial Sequence 184 <220> FEATURE: 185 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially 186 Synthesized Oligonucleotide Sequence 188 <400> SEQUENCE: 14 30 189 aaagcggcct ttaactccct gcaagcctca 191 <210> SEQ ID NO: 15 192 <211> LENGTH: 20 193 <212> TYPE: DNA 194 <213> ORGANISM: Artificial Sequence

197 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially

196 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 11/28/2001 TIME: 11:17:59

PATENT APPLICATION: US/09/989,526

Input Set : A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

Synthesized Oligonucleotide Sequence 200 <400> SEQUENCE: 15 20 201 ttaactccct qcaaqcctca 203 <210> SEQ ID NO: 16 204 <211> LENGTH: 60 205 <212> TYPE: DNA 206 <213> ORGANISM: Artificial Sequence 208 <220> FEATURE: 209 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 212 <400> SEQUENCE: 16 213 agaggetttg aggaetaaag aettttteat eaggaagttt eeattaaaeg ggtaaaatae 60 215 <210> SEQ ID NO: 17 216 <211> LENGTH: 60 217 <212> TYPE: DNA 218 <213> ORGANISM: Artificial Sequence 220 <220> FEATURE: 221 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 224 <400> SEQUENCE: 17 225 acqccqqqca agagcaactc ggtcgccgca gacactattc tcagaatgac ttggttgagt 60 227 <210> SEQ ID NO: 18 228 <211> LENGTH: 60 229 <212> TYPE: DNA 230 <213> ORGANISM: Artificial Sequence 232 <220> FEATURE: 233 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 236 <400> SEQUENCE: 18 237 acgccgggca agagcaactc ggtcgccgca aacactattc tcagaatgac ttggttgagt 60 239 <210> SEQ ID NO: 19 240 <211> LENGTH: 60 241 <212> TYPE: DNA 242 <213> ORGANISM: Artificial Sequence 244 <220> FEATURE: 245 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 248 <400> SEQUENCE: 19 249 acgccgggca agagcaactc ggtcgccgca cacactattc tcagaatgac ttggttgagt 60 251 <210> SEQ ID NO: 20 252 <211> LENGTH: 120 253 <212> TYPE: DNA 254 <213> ORGANISM: Artificial Sequence 256 <220> FEATURE: 257 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 260 <400> SEQUENCE: 20 261 tgcgggatcg tcaccctcag cagcgaaaga cagcatcgga acgagggtag caacggctac 60

262 agaggetttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120

RAW SEQUENCE LISTING DATE: 11/28/2001 PATENT APPLICATION: US/09/989,526 TIME: 11:17:59

Input Set: A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

264 <210> SEQ ID NO: 21 265 <211> LENGTH: 120 266 <212> TYPE: DNA 267 <213> ORGANISM: Artificial Sequence 269 <220> FEATURE: 270 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially 271 Synthesized Oligonucleotide Sequence 273 <400> SEQUENCE: 21 274 gqcqqqatcq tcaccctcag cagcqaaaga cagcatcgga acgagggtag caacggctac 60 275 agaggetttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120 277 <210> SEQ ID NO: 22 278 <211> LENGTH: 120 279 <212> TYPE: DNA 280 <213> ORGANISM: Artificial Sequence 282 <220> FEATURE: 283 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially 284 Synthesized Oligonucleotide Sequence 286 <400> SEQUENCE: 22 287 tgcgggatcg tcacqctcag cagcgaaaga cagcatcgga acgagggtag caacggctac 60 288 agaggetttg aggactaaag acttttteat gaggaagttt ceattaaaeg ggtaaaatae 120 290 <210> SEO ID NO: 23 291 <211> LENGTH: 120 292 <212> TYPE: DNA 293 <213> ORGANISM: Artificial Sequence 295 <220> FEATURE: 296 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 299 <400> SEQUENCE: 23 300 tgcgggatcg tcaccctcag cagcggaaga cagcatcgga acgagggtag caacggctac 60 301 agaggetttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120 303 <210> SEO ID NO: 24 304 <211> LENGTH: 120 305 <212> TYPE: DNA 306 <213> ORGANISM: Artificial Sequence 308 <220> FEATURE: 309 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially Synthesized Oligonucleotide Sequence 312 <400> SEQUENCE: 24 313 tgcgggatcg tcaccetcag cagcgaaaga cagcgtcgga acgagggtag caacggctac 60 314 agaggetttg aggactaaag actttttcat gaggaagttt ccattaaacg ggtaaaatac 120 316 <210> SEQ ID NO: 25 317 <211> LENGTH: 120 318 <212> TYPE: DNA 319 <213> ORGANISM: Artificial Sequence 321 <220> FEATURE: 322 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially

Synthesized Oligonucleotide Sequence

326 tgcgggatcg tcaccctcag cagcgaaaga cagcatcgga acgagggtag gaacggctac 60

325 <400> SEQUENCE: 25

VERIFICATION SUMMARY

DATE: 11/28/2001 TIME: 11:18:00

PATENT APPLICATION: US/09/989,526

Input Set : A:\032735-004 Seq Listing.txt
Output Set: N:\CRF3\11212001\1989526.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date